BIOGRAPHY

Securing a Peaceful and Free World Through Technology

Dr. Paul Hommert

Executive Vice President and Deputy Laboratories Director for the Nuclear Weapons Program, Sandia National Laboratories

The Sandia Corporation Board of Directors announced May 13, 2010 the selection of Dr. Paul Hommert to succeed Tom Hunter as the next Labs director, effective July 9, 2010.

Dr. Paul J. Hommert began his career with Sandia National Laboratories in 1976 and progressed from staff level through positions of increased responsibility in a broad range of programs and management assignments. In February, 2009, Dr. Hommert assumed the position of Executive Vice President and Deputy Laboratories Director for the Nuclear Weapons Program at Sandia National Laboratories. This leadership role came at a highly dynamic time in the national Nuclear Weapons program. In this position, Dr. Hommert leads Sandia's Nuclear Weapons Strategic Management Group and its Nuclear Weapons Leadership Council. He is responsible for the oversight of engineering support and design for the U.S. nuclear weapons stockpile; research, development of testing services for Sandia's customers; and the manufacturing of specialized non-nuclear products and components for national defense and security applications.

Dr. Hommert also co-chairs Sandia's National Security Leadership Council, which leads the integration of Sandia's national defense missions between the Nuclear Weapons and National Security Technologies and Systems Strategic Management Groups. Dr. Hommert's accomplishments in this role include strengthening relationships with partner Laboratories, developing a strong focus for new technologies - which is fundamental to Sandia's future in the weapons program - and for positioning the Laboratory to effectively support future national security program direction.

From August 2006 to June 2009, Dr. Hommert served as Vice President of Sandia's California Laboratory located in Livermore, CA. While in this role, Dr. Hommert helped develop the Livermore Valley Open Campus which opens numerous new strategic opportunities, primarily in energy research, for Sandia's presence in California. He strengthened the assurance culture of the organization through the introduction of line management reviews, while placing strong emphasis on, and achieving, significant improvements in safety performance.

During this same timeframe, Dr. Hommert led Sandia's Homeland Security & Defense Strategic Management Unit which included mission assignments and long term sponsorship agreements with the Department of Homeland Security. Dr. Hommert also developed the strategic plan for Sandia's Homeland Security initiative that included new emphasis and growth in physical security programs, development of new directions in resiliency, and cyber security.

Dr. Hommert led the Applied Physics Division at Los Alamos National Laboratories (LANL) from November 2003 to August 2006. The Applied Physics Division (known within the weapons community as "X" Division) was responsible for nuclear weapon design and assessment, weapon performance code development, and weapon science support at LANL. The assignment required regular interaction and consultation with Lawrence Livermore

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National Laboratory and the Department of Defense.

In early 2003, Dr. Hommert was the Director of the Systems Analysis Center in the Defense Systems and Assessments organization at Sandia National Laboratories. In this capacity he was responsible for strategic planning and program development for Sandia's non-nuclear work in support of the DoD.

From January 2000 to March 2003, Dr. Hommert served as the Director of Research and Applied Science at the Atomic Weapon Establishment (AWE) in the United Kingdom. In this capacity, Dr. Hommert led the science and engineering organization responsible for the UK's nuclear deterrent. His organization was responsible for nuclear weapon design, large experimental operations in hydromechanics, high energy density physics, and material and engineering science in support of the AWE weapons program. During this three year period, Dr. Hommert was responsible for the UK Stockpile Stewardship Program. In this role, Dr. Hommert, as a U.S. citizen, was asked to lead a major change in the nuclear deterrence program of a foreign ally. This involved the creation of new organizational constructs, recruiting external talent and the acquisition of high-performance computing resources. This effort also led to a major reinvigoration of the relationship between U.S. laboratories (Sandia, Los Alamos and Lawrence Livermore) and AWE.

From April 1995 to December 1999, Dr. Hommert was Director of Engineering Sciences at Sandia. This organization led Sandia's engineering research efforts and provided engineering analysis for the full range of Sandia's programs. In this role, Dr. Hommert established Sandia's program in engineering simulation development as part of the National Nuclear Security Administration's (NNSA) strategic computing initiative. He also led major portions of the Stockpile Stewardship Program establishing the advanced simulation program at Sandia. At the time, this effort was the largest engineering simulation code development in the United States.

Earlier in his career at Sandia, Dr. Hommert led a wide range of programs supporting energy research. These programs included research in geophysics, oil shale, underground coal gasification, geothermal, and the strategic petroleum reserve. He is the author of numerous technical papers in the area of fossil energy recovery and radiation transport.

Dr. Hommert earned a B.S.M.E. from Rensselaer Polytechnic Institute where he graduated Cum Laude. He also earned an M.S.M.E. and a Ph.D. in Mechanical Engineering from Purdue University. He received an Outstanding Alumnus Award for Professional Excellence in 2003, and a Distinguished Engineering Alumni Award in 2010, both from Purdue's School of Mechanical Engineering.

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Sandia National Laboratories

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